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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/812,952	03/31/2004	Hongyu Yuc	071469-0308801	4890	
909 7:	909 7590 01/10/2006			EXAMINER	
PILLSBURY	WINTHROP SHAW	KACKAR, RAM N			
P.O. BOX 1050	00				
MCLEAN, VA 22102		ART UNIT	PAPER NUMBER		
,			1763	-	

DATE MAILED: 01/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
		10/812,952	YUE ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Ram N. Kackar	1763	
Period fo	The MAILING DATE of this communication apports. The mail of the second section is a second	pears on the cover sheet with the c	orrespondence address	
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailin ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
2a)	Responsive to communication(s) filed on 31 N This action is FINAL . 2b) This Since this application is in condition for alloware closed in accordance with the practice under the	s action is non-final. nce except for formal matters, pro		
Disposit	ion of Claims			
5)□ 6)⊠ 7)□	Claim(s) <u>1-65</u> is/are pending in the application 4a) Of the above claim(s) <u>1-33</u> is/are withdraw Claim(s) is/are allowed. Claim(s) <u>34-65</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	n from consideration.		
Applicat	ion Papers			
9)[] 10)[]	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The specification is objected.	epted or b) objected to by the I drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority (under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
2) Notice	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 6/2/05 & 3/31/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of claims 34-65 in the reply filed on 12/5/2005 is acknowledged. The traversal is on the ground(s) that all the claims share some common threads and that the search and examination could be done without a serious burden on the Examiner.

This is not found persuasive because even though the two groups share some common threads they are still distinct as per the restriction requirement and large number of claims which do not share a common thread there exists undue burden on the Examiner.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 34-44, 46-49, 51-62 and 64-65 are rejected under 35 U.S.C. 102(b) as being anticipated by Kagoshima et al (US Pub 2003/0003607).

Kagoshima et al disclose a processing chamber configured for loading and processing a substrate for etching specially on a gate electrode structure (Fig 2 and Paragraph 29), a storage for a process model (Fig 2-25) capable of creating a set of process parameters like gas supply RF Power etc (Fig 1-4) from the processed result critical dimensions and target value (26 and 28) and measuring system (CD-SEM 30 and X-SEM 31).

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Claims 35, 37-38, 41-44, 46-49 and 51-54 are directed to functional limitations.

It has been held that claims directed to apparatus must be distinguished from the prior art in terms of structure rather than function. *In re Danley*, 120 USPQ 528, 531, (CCPQ 1959); "

Apparatus claims cover what a device is, not what a device does" (Emphasis in original) *Hewlett-Packard Co. V. Bausch & Lomb Inc.*, 15USPQ2d 1525, 1 528 (Fed. Cir. 1990); and a claim containing a (recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus" if the prior art apparatus teaches all the structural limitations of the claim *Ex parte Masham*, 2 USPQ2d 1647 (Bd. Pat. App. & Inter. 1987). Also see MPEP 2114.

Claims 55-62 are directed to a substrate. It has been held that inclusion of material or article worked upon by a structure being claimed does not impart patentability to the claims. In re Young, 75 F.2d 966, 25 USPQ 69 (CCPA 1935) (as restated in In re Otto, 312 F.2d 937, 136 USPQ 458, 459 (CCPA 1963)). Similarly expressions relating the apparatus to contents thereof during an intended operation are of no significance in determining patentability of the apparatus claim. Ex parte Thibault, 164 USPQ 666, 667 (Bd. App. 1969).

Regarding the transfer system, since the apparatus is disclosed to be capable of processing a substrate by plasma it is inherent that there will be some transfer system to position the substrate on a processing holder or electrode.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 45, 50 and 63 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kagoshima et al (US Pub 2003/0003607) in view of Gardner et al (US 6087238).

Kogashima et al is discussed above. Kagoshima et al disclose plasma-etching system but do not disclose wet processing.

Gardner et al disclose apparatus for gate electrode width trimming (Abstract) and disclose wet processing as an alternative to plasma (Col 4 lines 59-62).

Therefore it would be obvious for one of ordinary skill in the art at the time of invention to use controller taught by Kagoshima et al for wet processing as an art recognized equivalent.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ram N. Kackar whose telephone number is 571 272 1436. The examiner can normally be reached on M-F 8:00 A.M to 5:P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 571 272 1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ram Kackar

Primary Examiner AU 1763